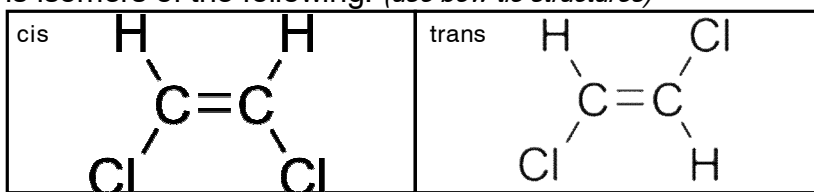


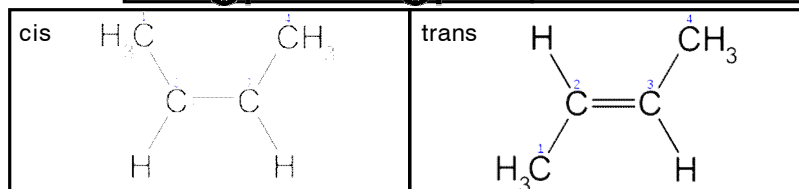
WS 10.8 GEOMETRIC ISOMERS

1. Write and label the cis-trans isomers of the following: (*use bow-tie structures*)

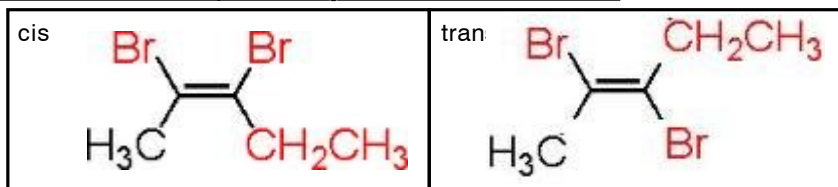
a) 1,2-dichloroethene



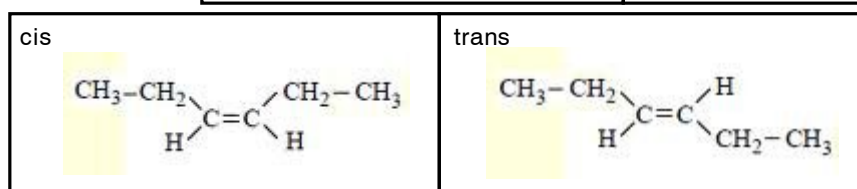
b) 2-butene



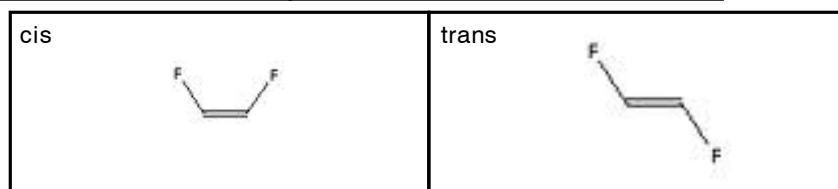
c) 2,3- dibromo-2-pentene



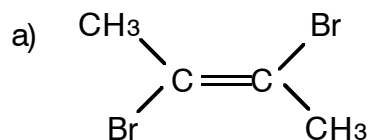
d) 3-hexene



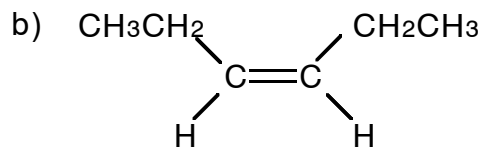
e) 1,2-difluorobutene



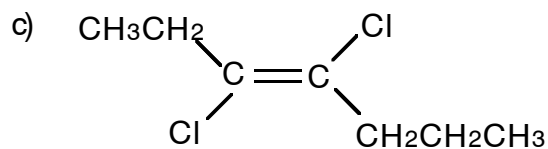
2. Give the name of each of the following bow-tie structures: (don't forget 'trans' or 'cis')



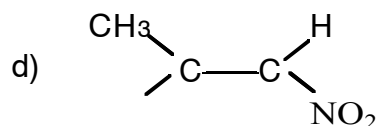
trans-2,3-dibromo-2-butene



cis-3-hexene



trans-3,4-dichloro-3-heptene



cis-1,2-dinitropropene